

## § 154.2030

system required by 33 CFR 154.2102(a) and (b); and

(5) List all cargoes that the certifying entity approves for control by the VCS.

(b) If the certifying entity is satisfied that the facility's VCS has successfully undergone the operational review required by 33 CFR 154.2022(b), the certifying entity must issue an operational review letter to the facility owner or operator, and send copies of the letter to the COTP and the Commandant. The operational review letter must—

- (1) List each item reviewed and inspected;
- (2) Describe the transfer or cleaning operation observed; and
- (3) Summarize the review's results.

### PERSONNEL

#### § 154.2030 Transfer facilities.

(a) Personnel in charge of a transfer operation using a vapor control system (VCS) must have completed a training program covering the particular VCS installed at the facility. As part of the training program, personnel must be able to demonstrate, through drills and display of practical knowledge, the proper VCS operational procedures for normal and emergency conditions. The training program must cover the following subjects:

- (1) Purpose of the VCS;
- (2) Principles of the VCS;
- (3) Components of the VCS;
- (4) Hazards associated with the VCS;
- (5) Coast Guard regulations in this subpart;
- (6) Operating procedures, including:
  - (i) Transfer, testing, and inspection requirements;
  - (ii) Pre-transfer procedures;
  - (iii) Chemicals approved for collection;
  - (iv) Material safety data sheet review;
  - (v) Connection procedures;
  - (vi) Startup procedures;
  - (vii) Normal operating conditions and how to handle deviations from normal conditions;
  - (viii) Normal shutdown procedures; and
  - (ix) Operating procedures for cargo line clearing if a cargo line clearance system is installed in accordance with 33 CFR 154.2104; and

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(7) Emergency procedures.

(b) Personnel overseeing VCS maintenance must be familiar with—

(1) Inspection of detonation arresters; and

(2) Procedures for equipment and instrumentation testing required by 33 CFR 156.170(g).

(c) Facility personnel in charge of a transfer operation using a VCS must be designated and qualified in compliance with 33 CFR 154.710 and the facility must maintain the training documentation required by 33 CFR 154.740(b).

#### § 154.2031 Tank barge cleaning facilities.

(a) In addition to complying with 33 CFR 154.2030, a tank barge cleaning facility (TBCF) person-in-charge (PIC) of a barge cargo tank-cleaning operation that uses a vapor control system (VCS) must complete a training program covering the particular systems installed at the facility and on the barge. As part of the training program, personnel must be able to demonstrate, through drills and practical knowledge, the proper VCS operation procedures for normal and emergency conditions. The training program must—

(1) Satisfy the requirements of 33 CFR 154.2030(a)(1) through (7), except (a)(6)(i), (ii), and (ix), and 33 CFR 154.2030(b) and cover—

(i) Purpose, principles, components, and hazards associated with stripping and gas-freeing;

(ii) Special hazards associated with the accumulation and discharge of static electricity; and

(iii) Operating procedures, including cleaning, testing, and inspection requirements; pre-cleaning procedures; and safeguards to prevent static electricity discharge.

(b) In addition to the requirements contained in 33 CFR 154.710, no person may serve, and the facility operator may not use the services of anyone, as a facility PIC of a cleaning operation unless the person has been properly trained and certified by the facility with a minimum of 60 hours of experience in cleaning operations.